

Table 1. Assessments for RFPEW

1. Proficiency (skill) demonstrations

As part of the assessments for proficiency in Ratings Forming Part of an Engineering Watch, candidates must meet the minimum standards of competence set out in STCW Code Table A-III/4. Candidates must demonstrate all competencies in the functional areas of marine engineering at the support level. Each candidate must perform every required demonstration indicated by a non-shaded blank line on the checklist.

Assessment standards establish the conditions under which the assessments will occur, the performance or behavior the candidate is to accomplish, and the standards against which their performance is measured and assessed. The assessor is also encouraged to use a checklist in conducting assessments of practical demonstrations of skill. Checklists allow a training institution or designated assessor to ensure that critical tasks are not overlooked when evaluating a candidate's practical demonstration and also ensures that there is reasonable consistency between assessments of candidates. After a mariner has demonstrated the required performance, the examiner should sign the training record checklist signifying the mariner has successfully completed that performance demonstration.

2. Proficiencies (skills) that must be assessed wholly or in part through practical demonstration:

Function: Marine engineering at the support level

1. Safe working practices as related to engine-room operations;
2. Use of appropriate internal communication systems;
3. Engine room alarms systems and ability to distinguish between the various alarms, with special reference to fire extinguishing gas alarms;
4. Safe operations of boilers;
5. Escape routes from machinery spaces;
6. Familiarity with the location and use of fire-fighting equipment in machinery spaces.

CHECKLIST TO RECORD COMPLETION OF PRACTICAL ASSESSMENTS TO QUALIFY AS A
RATING FORMING PART OF AN ENGINEERING WATCH

This checklist conveniently groups the STCW's competencies and the supporting knowledge, understandings, and proficiencies that apply to an RFPEW. Ships' officers who witness the successful demonstration of a mariner's competency, performed in accordance with the assessment standards, should sign the appropriate line in this checklist, print their name, and include their license number.

MARINER'S NAME _____ MMD NO. _____

STCW COMPETENCY	DATE	VESSEL/ TRAINING FACILITY	SIGNATURE/LIC. NO
I. CARRY OUT A WATCH ROUTINE APPROPRIATE TO THE DUTIES OF AN RFPEW AND UNDERSTAND ORDERS AND BE UNDERSTOOD IN MATTERS RELEVANT TO WATCHKEEPING DUTIES			
1. Safe working practices			
a. Clean oil purifier and demonstrate safe working practices			
b. Assist in pre-start check of diesel engine			
2. Engine-room watchkeeping procedures			
a. Relieve the watch			
b. Hand over the watch			
c. Log bells			
d. Adjust settings on potable water tank			
e. Make a round			
f. Take on fresh water			
g. Monitor distilling plant			
h. Monitor electrical generating plant			
i. Determine tank and pressure vessel levels			
j. Take up on valve stuffing box gland			
i. Take up on a centrifugal pump stuffing box gland			
k. Lubricate equipment fitted with zirc fittings			

MARINER'S NAME _____ MMD NO. _____

l. Lubricate equipment fitted with a grease cup			
m. Clean basket type sea water strainer			
n. Manually light off a boiler			
o. Monitor main turbines			
p. Monitor propulsion shafting and bearings			
q. Inspect the steering gear			
3. Basic environmental protection procedures			
a. Monitor sewage treatment plant			
b. Monitor oily water separator			
c. Monitor lube oil and fuel oil purification plants			
d. Monitor compressed air plants			
e. Monitor refrigeration and air conditioning plants			
f. Add clean oil			
g. Pump bilges to holding tanks			
4. Use of appropriate internal communication systems			
5. Engine room alarm systems and ability to distinguish between the various alarm, with special reference to fire extinguishing systems			
II. FOR KEEPING A BOILER WATCH, MAINTAIN THE CORRECT WATER LEVELS AND STEAM PRESSURES			
1. Safe operation of boilers			
a. Maintain water level			
b. Maintain steam pressure			
c. Determine and record readings			
d. Change out burners			
e. Maintain clean burner assembly			

MARINER'S NAME _____ MMD NO. _____

III. OPERATE EMERGENCY EQUIPMENT AND APPLY EMERGENCY PROCEDURES			
1. Escape routes from machinery spaces			
2. Familiarity with the location and use of fire fighting equipment in the machinery spaces			
a. Locate and describe the use of emergency equipment			
b. Put fire pump into service			

RECORD OF SEA SERVICE WHILE IN TRAINING FOR QUALIFICATION AS A

RATING FORMING PART OF AN ENGINEERING WATCH

During the sea service listed below, this mariner was trained in the duties and responsibilities associated with engineering watchkeeping functions and involved the performance of duties carried out under the direct supervision of the chief engineer, licensed officer of the watch, or watchstanding QMED. Please indicate the propulsion mode and horsepower. Signing officers should also print their name and include their license number.

Vessel _____ From _____ To _____ Steam/Motor HP _____ Signature/Lic. No. _____

Vessel _____ From _____ To _____ Steam/Motor HP _____ Signature/Lic. No. _____

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